TEMATAR TFA

DESCRIPTION
A two component, modified epoxy paint.

PRODUCT FEATURES AND RECOMMENDED USES
♦ Resistant to heavy abrasion and immersion in water.
♦ Does not contain any coal tar.
♦ Suitable for steel, zinc and concrete surfaces exposed to abrasion and/or chemical attack, especially for underground and underwater structures.
♦ Recommended for sludge and sewage tanks, pontoons, ship ballast tanks, fuel oil and crude oil tanks, and other underground or underwater tanks and vessels.

TECHNICAL DATA

Volume solids 70 ± 2 %. (ISO 3233)
Weight solids 82 ± 2 %.
Specific gravity 1.5 kg / l (mixed)

Mixing ratio and product codes
Base 4 parts by volume 008 5450
Hardener 1 part by volume 008 5459

Pot life 2 hours (23 ºC / 74 ºF)

Recommended film thicknesses and theoretical coverage

<table>
<thead>
<tr>
<th>Recommended film thicknesses</th>
<th>Theoretical coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>dry 100 µm wet 145 µm</td>
<td>7.0 m²/l</td>
</tr>
<tr>
<td>dry 140 µm wet 200 µm</td>
<td>5.0 m²/l</td>
</tr>
</tbody>
</table>

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

<table>
<thead>
<tr>
<th>DFT 125 µm</th>
<th>+ 10 ºC</th>
<th>+ 23 ºC</th>
<th>+ 35 ºC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust dry</td>
<td>3 h</td>
<td>2 h</td>
<td>1 h</td>
</tr>
<tr>
<td>Touch dry</td>
<td>16 h</td>
<td>8 h</td>
<td>4 h</td>
</tr>
<tr>
<td>Recoatable, min.</td>
<td>16 h</td>
<td>8 h</td>
<td>4 h</td>
</tr>
<tr>
<td>Recoatable, min. surfaces exposed to immersion</td>
<td>36 h</td>
<td>16 h</td>
<td>8 h</td>
</tr>
</tbody>
</table>

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Finish
Semigloss.

Colours
Black.
TEMATAR TFA

APPLICATION DETAILS

Surface preparation
Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)

Steel surfaces: Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.

Zinc surfaces: Sweep blast-clean with mineral abrasives, e.g. quartz sand, to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with PANSSARIPESU detergent.

Hot dip galvanized surfaces are recommended to be painted with a misty coat (paint thinned 25 - 30 % or with separate TEMACOAT SEALER primer before the actual priming).

Primed surfaces: Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat. Note the overcoating time of primer. (ISO 12944-4)

Concrete surfaces: The surface must be dry and at least 4 weeks old. The relative humidity of the concrete should not exceed 97%. Remove any splashes and unevennesses by grinding. Remove laitance and form oil from concrete castings by sanding or blast cleaning. Any cracks, crevices and voids must be repaired with a mixture of TEMAFLOOR 200 and fine, dry quartz sand.

Primer
TEMATAR TFA, TEMAZINC 77 and 99.

Finish
TEMATAR TFA.

Application conditions
All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +10 ºC / 50 ºF during application and drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 ºC / 38 ºF above the dew point.

Mixing components
First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use a mechanical agitator for mixing.

Application
By airless spray or brush. If necessary, the paint can be thinned 0 - 10 %. Airless spray nozzle tip 0.015" - 0.021"; spray angle shall be chosen according to the shape of the object. Sharp edges, welding seams etc. should be separately painted by brush in order to obtain a sufficient corrosion protection, “reinforce painting”.

At brush application the paint should be thinned according to the circumstances.

Thinner
Thinner 1031.

Cleaning of equipment
Thinner 1031.

VOC
The Volatile Organic Compounds amount to 280 ± 20 g/litre of paint.

HEALTH AND SAFETY
Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets.

A health and safety data sheet is available on request from Tikkurila Coatings Oy.

For professional use only.